

PRODUCT DESCRIPTION

GPS-1100HC is a two component, 100% solids, 1.88A:1B mix ratio polyurethane coating for carbon steel, non-ferrous metal and concrete. This product offers a tack free time of less than five minutes. This product is typically applied at 20-100 mils (0.5 – 2.5 mm). GPS-1100HC is ideal for applications requiring high resistance to corrosion and degradation caused by chemical attack.

TYPICAL PROPERTIES

Solids, by Volume _____ 100%
Mix Ratio (by volume) _____ 1.88A:1B
Number of Coats _____ One coat multi-pass
Gel Time _____ 40-80 seconds @ 100°F (37°C)
Tack Free Time @ 40 mils _____ Max. 5 minutes
Max. Recoat Time _____ 24 hours
Density (A&B combined) _____ 9.31 lbs/gal
Elongation (ASTM D-412) _____ 20-30%

Tear Resistance (ASTM D-624) _____ 250 pli
Hardness (ASTM D 2240) _____ 65 Shore A
Service Temperature (immersion) _____ 120°F (49°C)
Viscosity (@ 100°F/37°C)
Side A _____ 125 cps ± 50
Side B _____ 500 cps ± 50
Tensile (ASTM D-412) _____ 2800 ± 200 psi
Tear, Die "C" (ASTM D-624) _____ 400 ± 50 pli

PACKAGING, STORAGE AND SHELF LIFE

One 55 gallon drum net content 500 lbs. of Side-A (Isocyanate side) and two 55 gallon drum net content 450 lbs. each drum of Side-B (polyol side).

Material has a shelf life of 12 months after the date of manufacture if properly stored. Refer to Batch Number on product label for date of manufacture.

SAFETY PRECAUTIONS

GPS- 1100HC IS FOR INDUSTRIAL USE ONLY. Avoid contact with eyes, and skin; do not inhale or ingest. When working with this material wear goggles, rubber gloves and a respirator. When spraying in a confined area, also wear a fresh air hood and make provision for forced ventilation. Refer to MSDS regarding individual components.

MIXING

GPS-1100HC may not be diluted under any circumstances. Thoroughly mix GPS-1100HC Part-B (poly side) with air driven power equipment until a homogeneous mixture and color is obtained.

APPLICATION GUIDELINES

Both Side-A and Side-B materials should be preconditioned to 75-80°F before application.

Recommended surface temperature must be at least 5°F above the dew point. GPS-8500 should be applied using plural component, heated, high pressure spray mixing equipment such as Graco®, Wiwa® or Gamma®.

Both Part-A and Part-B materials should be sprayed at a minimum of 2000 psi and at temperatures above 150°F (65°F). Adequate pressure and temperature should be maintained at all times. GPS-1100HC should be sprayed in smooth, multidirectional passes to improve uniform thickness and appearance.

WARRANTY

GLOBAL POLYMER SOLUTIONS warrants this product to be free of defects in material and workmanship. GLOBAL POLYMER SOLUTIONS's sole obligation and Buyer's exclusive remedy in connection with the products shall be limited, at GLOBAL POLYMER SOLUTIONS's option, to either replace the products not conforming to this Warranty or credit to Buyer's account in the invoiced amount of the nonconforming products. Any claim under this Warranty must be made by the Buyer to GLOBAL POLYMER SOLUTIONS in writing within (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life, or one year from the delivery date, whichever is earlier. Buyer's failure to notify GLOBAL POLYMER SOLUTIONS of such nonconformance as required herein shall bar Buyer from recovery under this Warranty.

GLOBAL POLYMER SOLUTIONS makes no other warranties whether express, implied, or statutory, such as warranties of merchantability or fitness for a particular purpose, shall apply. In no event shall GLOBAL POLYMER SOLUTIONS be liable for consequential or incidental damages.

Any recommendations or suggestion relating to the use of the products made by GLOBAL POLYMER SOLUTIONS, whether in its technical literature, or in response to specific inquiry, or otherwise, is based on data believed to be reliable; however, the products and information are intended for use by buyers having requisite skill and know-how in the industry, and therefore it is for Buyer to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that Buyer has done so, at its sole discretion and risk. Variation in environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results.

LIMITATION OF LIABILITY

GLOBAL POLYMER SOLUTIONS's liability on any claim of any kind, including claims based upon GLOBAL POLYMER SOLUTIONS's negligence or strict liability, for any loss or damage arising out of, connected with, or resulting from the use of the products, shall in no case exceed the purchase price allocable to the products or part thereof which gives rise to the claim. In no event shall GLOBAL POLYMER SOLUTIONS be liable for consequential or incidental damages.

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